

WHAT IS CLAIMED IS:

1. A lid unit for a thin plate supporting container for closing a container body of a thin plate supporting container in which a plurality of thin plates are housed and  
5 which is carried, comprising  
a simple attaching/detaching mechanism which can be easily attached/detached to/from the container body,  
the simple attaching/detaching mechanism comprising:  
a locking member which is projected and retained by  
10 the container body side;  
a feeding member which is connected to the locking member to make the locking member project/retract;  
a tip-side cam for pressing a tip side of the locking member to one side when the locking member is projected by  
15 the feeding member; and  
a base-end-side cam for pressing a base-end side of the locking member to the other side when the locking member is projected.
- 20 2. The lid unit for a thin plate supporting container according to claim 1, wherein the tip-side cam has an oblique surface for pushing the tip side of the locking member to the one side.
- 25 3. The lid unit for a thin plate supporting container according to claim 1, wherein the base-end-side cam has an oblique surface for pushing the base-end side of the locking member to the other side.

4. The lid unit for a thin plate supporting container according to claim 1, wherein a fulcrum portion of swing of the locking member is provided on the tip side of the locking member.

5. The lid unit for a thin plate supporting container according to claim 1, wherein the simple attaching/detaching mechanism is detachably attached and can be disassembled to component parts.

6. A lid unit for a thin plate supporting container for closing a container body of a thin plate supporting container in which a plurality of thin plates are housed and which is carried, comprising

a thin plate presser for supporting thin plates housed in the container body,

wherein the thin plate presser has supporting pieces disposed alternately.

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7. The lid unit for a thin plate supporting container according to claim 6, wherein the thin plate presser comprises two contact pieces having supporting pieces disposed alternately and an elastic supporting plate for elastically supporting the contact pieces,

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the elastic supporting plate is attached between and on both sides of the contact pieces, and the elastic supporting plate between the contact pieces supports the contact pieces

in a state where the elastic supporting plate is slightly floated.

5        8.     A lid unit for a thin plate supporting container  
for closing a container body of a thin plate supporting  
container in which a plurality of thin plates are housed and  
which is carried, comprising  
a lid unit holder for fixing the lid unit from the outside  
in a state where the lid unit is attached to the container  
10    body.

9.     A lid unit for a thin plate supporting container  
for closing a container body of a thin plate supporting  
container in which a plurality of thin plates are housed and  
15    which is carried, comprising

a thin plate presser for supporting a plurality of thin  
plates housed in the container body,

wherein the thin plate presser has a plurality of contact  
pieces which are disposed in parallel and come into contact  
20    with the plurality of thin plates, and

the parallel contact pieces are disposed so that the  
contact piece positioned in a center portion is projected  
to the thin plate side more than the contact pieces positioned  
on both sides.

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10.    The lid unit for a thin plate supporting container  
according to claim 9, wherein the thin plate presser comprises:

a base-end supporting portion fixed to the rear surface

of the lid unit; and

a plurality of elastic supporting plates supported by the base-end supporting portion and each supporting one end of each of the contact pieces, and

5 each of the elastic supporting plates for supporting the contact pieces is formed so that the contact piece positioned in the center portion is projected to the thin plate side more than the contact pieces positioned on both sides.

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11. The lid unit for a thin plate supporting container according to claim 9, wherein the thin plate presser comprises:

a base-end supporting portion fixed to the rear surface of the lid unit;

15 a plurality of one-side elastic supporting plates supported by the base-end supporting portion and supporting one end of each of the contact pieces; and

a plurality of other-side elastic supporting plates supporting the other end of each of the contact pieces and  
20 in contact with the rear surface of the lid unit, and

any one of the one-side elastic supporting plate and the other-side elastic supporting plate for supporting each of the contact pieces or both are/is formed so that the contact piece positioned in the center portion is projected to the  
25 thin plate side more than the contact pieces positioned on both sides.

12. The lid unit for a thin plate supporting container

according to claim 9, wherein the thin plate presser comprises:

a base-end supporting portion fixed to the rear surface of the lid unit;

5 a plurality of one-side elastic supporting plates supported by the base-end supporting portion and each supporting one end of each of the contact pieces;

a plurality of other-side elastic supporting plates each supporting the other end of each of the contact pieces and in contact with the rear surface of the lid unit; and

10 a supporting projection bar provided on the rear surface side of the lid unit and in contact with the other-side elastic supporting plates to thereby support the other-side elastic supporting plates, and

any one of the supporting projection bar and the  
15 other-side elastic supporting plate or both are/is formed so that the contact piece positioned in the center portion is projected to the thin plate side more than the contact pieces positioned on both sides.

20 13. The lid unit for a thin plate supporting container according to claim 9, wherein the contact piece has a V-shaped groove having an inclination of 40° to 44°.

25 14. A lid unit for a thin plate supporting container for closing a container body of a thin plate supporting container in which a plurality of thin plates are housed and which is carried, comprising

a thin plate presser for supporting thin plates housed

in the container body,

the thin plate presser comprising:

two base-end supporting portions fixed to a rear surface of the lid unit;

5 a plurality of contact pieces which are disposed along the periphery of the thin plate and come into direct contact with the thin plate;

two elastic supporting plates supported by the base-end supporting portions and supporting an outer end of each of  
10 contact pieces at both ends among the plurality of contact pieces;

a connecting and supporting plate for connecting and supporting the contact pieces; and

a supporting member for preventing a deviation of the  
15 connecting and supporting plate along the rear surface of the lid unit while permitting fluctuations in the direction perpendicular to the rear surface of the lid unit.

15. The lid unit for a thin plate supporting container  
20 according to claim 14, wherein the supporting member has supporting ribs for supporting each of the connecting and supporting plates so as not to be deviated along the rear surface of the lid unit.

25 16. The lid unit for a thin plate supporting container according to claim 14,

wherein the supporting member has a fitting projection which is fit in a fitting hole formed in the connecting and

supporting plate, thereby preventing a deviation along the rear surface of the lid unit of the connecting and supporting plate while permitting fluctuations in a direction perpendicular to the rear surface of the lid unit.

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17. The lid unit for a thin plate supporting container according to claim 14,

wherein elastic force for supporting the contact piece by the connecting and supporting plate is stronger than elastic  
10 force for supporting the contact piece by the elastic supporting plate.